

Serial No.: 10/737,421
Docket No.: AO720B

Examiner: T. Phan
Art Unit: 2841

CLAIM AMENDMENTS

Claim 1. (Currently amended) An electronic device that includes functionality to perform at least two functions, a first of which is at least timekeeping and the other of which is displaying information related to an external parameter ~~at least a function~~ related to a sensed condition, wherein the electronic device comprises:

a multilayered module comprising:

a frame having a frame surface;

a first printed circuit board which includes first means for ~~relating to at least the timekeeping~~, wherein the first printed circuit board is intermediate the frame surface and a second printed circuit board;

a battery compartment dimensioned for receiving a battery, wherein the battery compartment is asymmetrically positioned within the module thus creating a region above the first printed circuit board and proximate the battery compartment; and

a removable second printed circuit board physically separable from the first printed circuit board and including second means for receiving information of the external parameter ~~for receiving and processing information related to the sensed condition~~, wherein the second printed circuit board is securable within the module and positionable in the region; and

a display, electrically coupled to the second means, for displaying information related to the external parameter;

wherein when the second printed circuit board is removed and replaced with another printed circuit board having third means for receiving information of an external parameter ~~related to a sensed condition~~ that is at least in part different from and/or in addition to the means of the second printed circuit board, the functionality of the electronic device is changed and/or modified and the display then becomes electrically coupled to the third means and displays information related to the external parameter measured by the third means.

{W1424927}

Serial No.: 10/737,421
Docket No.: AO720B

Examiner: T. Phan
Art Unit: 2841

Claim 2. (Original) The electronic device as claimed in claim 1, including at least one support member for at least in part supporting the second printed circuit board in the module.

Claim 3. (Original) The electronic device as claimed in claim 2, including a plurality of support members for at least in part supporting the second printed circuit board in the module, wherein at least one of the plurality of support members extends through the second printed circuit board and is electrically coupled to a top side mounted pad thereon.

Claim 4. (Original) The electronic device as claimed in claim 3, wherein at least one of the plurality of support members is electrically coupled to a bottom side mounted pad thereon.

Claim 5. (Original) The electronic device as claimed in claim 1, wherein the position of the battery compartment in the module at least essentially maximizes the region in which the second printed circuit board is positioned.

Claim 6. (Currently amended) An electronic device that includes functionality to perform at least two functions, ~~at least one of which is a function related to a sensed condition~~, wherein the electronic device comprises:

a multilayered module comprising:

a frame having a frame surface;

a first printed circuit board which includes first means relating to at least the first function, wherein the first printed circuit board is intermediate the frame surface and a second printed circuit board;

a battery compartment dimensioned for receiving a battery, wherein the battery compartment is asymmetrically positioned within the module thus creating a region above the first printed circuit board and proximate the battery compartment; and

{W1424927}

Serial No.: 10/737,421
Docket No.: AO720B

Examiner: T. Phan
Art Unit: 2841

a removable second printed circuit board physically separable from the first printed circuit board and including second means related to at least the function in additional to or different from the first function ~~for receiving and processing information related to the sensed condition~~, wherein the second printed circuit board is securable within the module and positionable in the region; and a display, electrically coupled to the first and second means, for displaying information related to the function associated with the first and the second means;

wherein when the second printed circuit board is removed and replaced with another printed circuit board having third means ~~related to a sensed condition that is at least in part different from and/or in addition to the means of the second printed circuit board~~, the functionality of the electronic device is changed and/or modified and the display then becomes electrically coupled to the third means and displays information related to the function associated with the first means and the third means.

Claim 7. (Previously presented) The electronic device as claimed in claim 1, wherein the second printed circuit board is removed and replaced without removing the first printed circuit board.

Claim 8. (Previously presented) The electronic device as claimed in claim 6, wherein the second printed circuit board is removed and replaced without removing the first printed circuit board.

Claim 9. (Previously presented) The electronic device as claimed in claim 1, wherein the sensed condition is selected from the group consisting of direction, altitude, heart rate, speed, distance, and combinations of the foregoing.

Claim 10. (Previously presented) The electronic device as claimed in claim 6, wherein the sensed condition is selected from the group consisting of direction, altitude, heart rate, speed, distance, and combinations of the foregoing.

{W1424927}

Serial No.: 10/737,421
Docket No.: AO720B

Examiner: T. Phan
Art Unit: 2841

Claims 11-14. (Cancelled)

Claim 15. (New) The electronic device as claimed in claim 1, wherein the external parameter measured by the second means is heartrate.

Claim 16. (New) The electronic device as claimed in claim 1, wherein the external parameter measured by the third means is heartrate.

Claim 17. (New) The electronic device as claimed in claim 1, wherein the external parameter measured by the second means is altitude.

Claim 18. (New) The electronic device as claimed in claim 1, wherein the external parameter measured by the third means is altitude.

Claim 19. (New) The electronic device as claimed in claim 1, wherein the external parameter measured by the second means is earth's magnetic field.

Claim 20. (New) The electronic device as claimed in claim 1, wherein the external parameter measured by the third means is earth's magnetic field.

Claim 21. (New) An electronic device that includes functionality to perform at least two functions, a first of which is at least timekeeping and the other of which is the measuring of an external parameter related to a sensed condition, wherein the electronic device comprises:

a multilayered module comprising:

a frame having a frame surface;

a first printed circuit board which includes first means for timekeeping,
wherein the first printed circuit board is intermediate the frame surface and a second printed circuit board;

(W1424927)

Serial No.: 10/737,421
Docket No.: AO720B

Examiner: T. Phan
Art Unit: 2841

a battery compartment dimensioned for receiving a battery, wherein the battery compartment is asymmetrically positioned within the module thus creating a region above the first printed circuit board and proximate the battery compartment;

a removable second printed circuit board physically separable from the first printed circuit board and including second means for measuring the external parameter, wherein the second printed circuit board is securable within the module and positionable in the region; and

a display, electrically coupled to the second means, for displaying information related to the measured external parameter;

wherein

when the second printed circuit board is removed and replaced with another printed circuit board having third means for measuring an external parameter that is at least in part different from and/or in addition to the means of the second printed circuit board, the functionality of the electronic device is changed and/or modified and display then becomes electrically coupled to the third means and displays information related to the external parameter measured by the third means.

{W1424927}